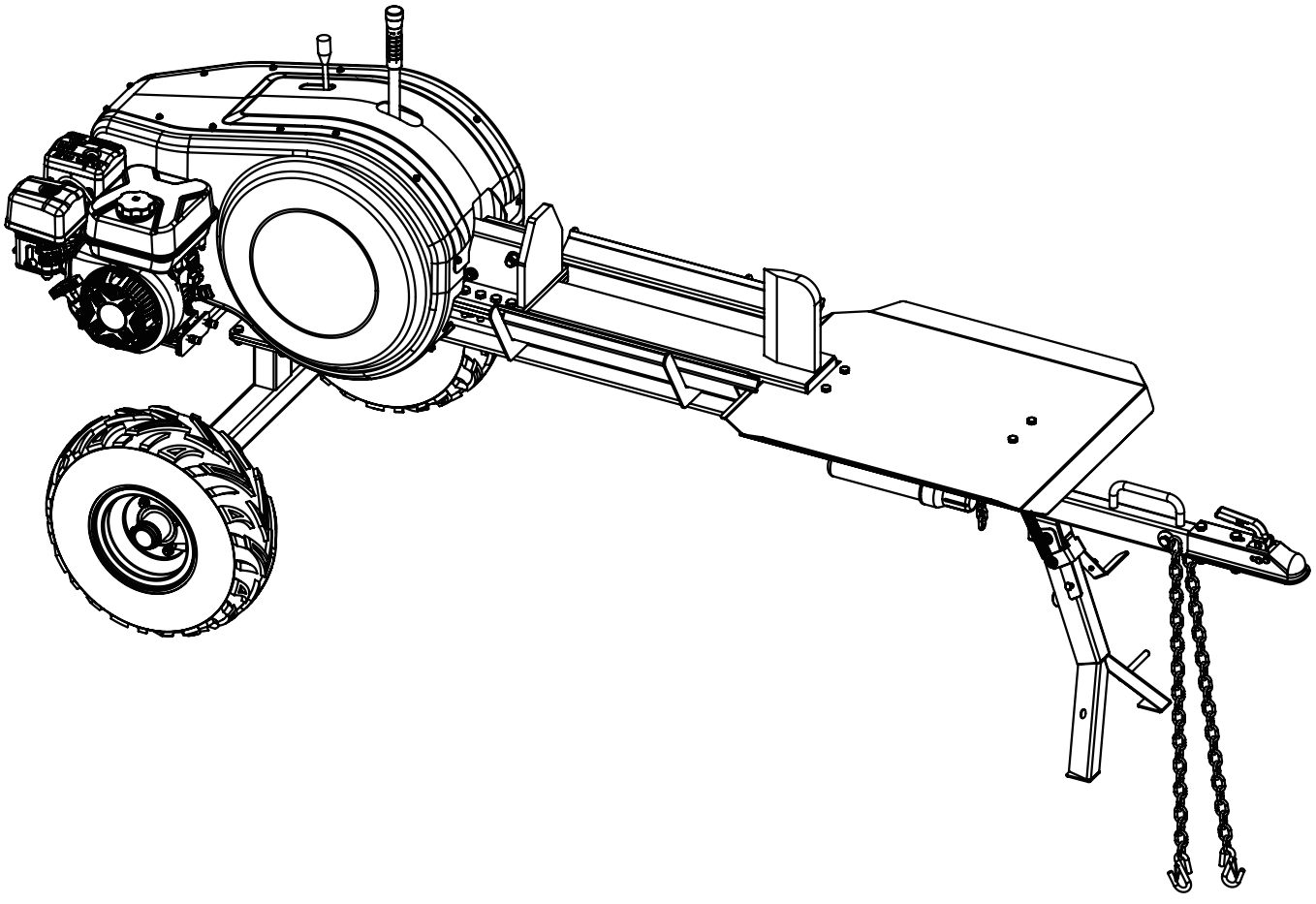
KINETIC LOG SPLITTER

Model: KT34

1 YEAR WARRANTY



Operator's Manual

MechMaxx

www.mechmaxx.com

INTRODUCTION

This manual provides all the information you need to operate and maintain your machine safely and effectively. Read and understand the entire manual before use. If you have questions that are not addressed here, contact MechMaxx Customer Support for assistance.

> ⚠ **Do not start or operate the machine before you read this manual. Make sure that you fully understand all the safety, operation, and maintenance information before you operate the machine.**
> **Keep this manual with the machine at all times and available for frequent reference.**

This machine is designed for specific applications only.

We strongly recommend not modifying or using it for any purpose other than its intended use. If you have questions about a specific application, DO NOT operate the machine until you contact us first to confirm it is suitable for that use.

For available accessories, go to mechmaxx.com.

ENGINE MANUAL

The engine manufacturer is responsible for all issues related to engine performance, power rating, specifications, warranty, and service. Consult the engine manufacturer's owner/operator manual for details.

MODEL AND SERIAL NUMBERS

Record the model and serial number as well as date and place of purchase for future reference. Have this information available when ordering parts or optional accessories and when making technical or warranty inquiries.

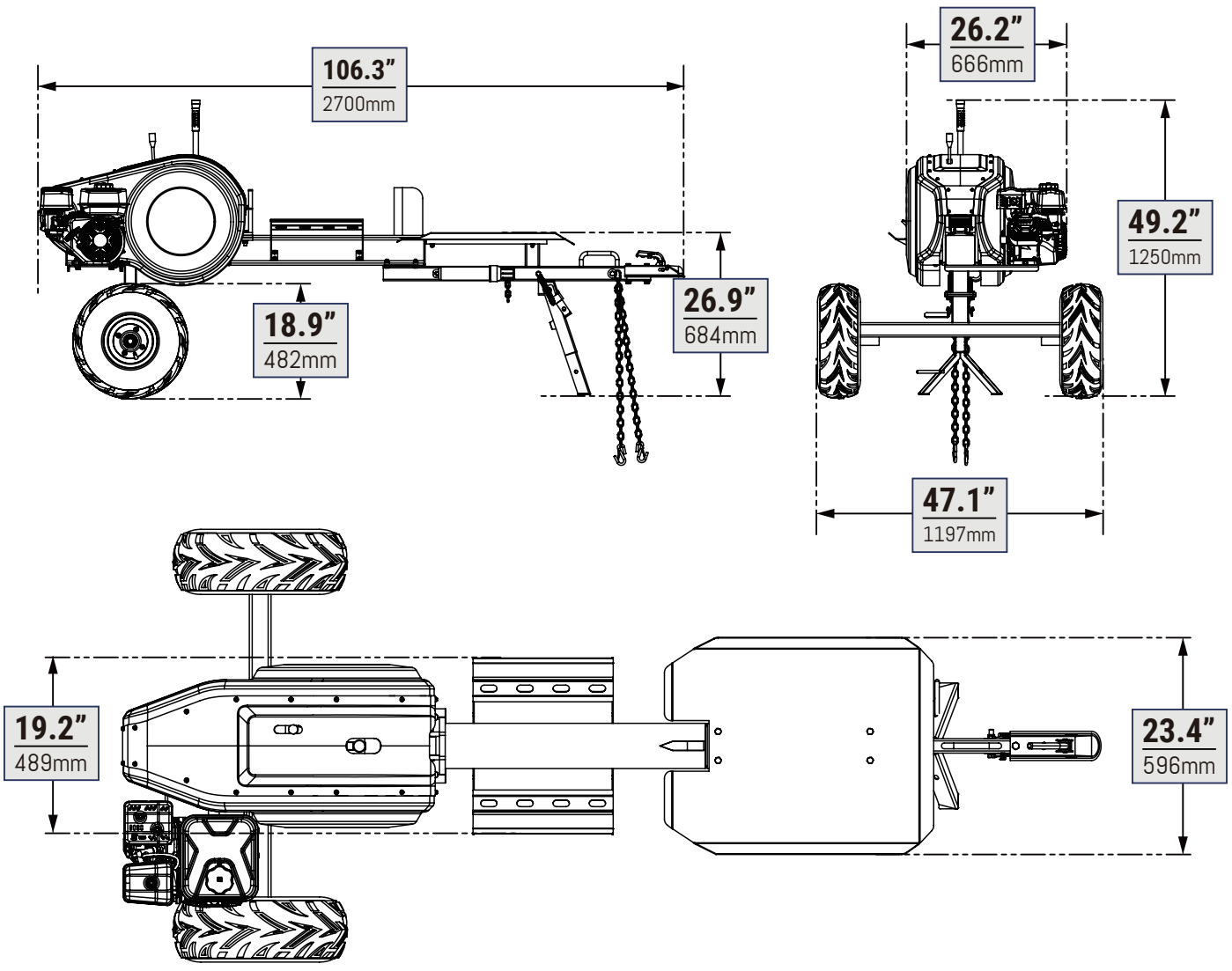
This manual is subject to change without notice. For the most current information, go to mechmaxx.com.

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SPECIFICATIONS

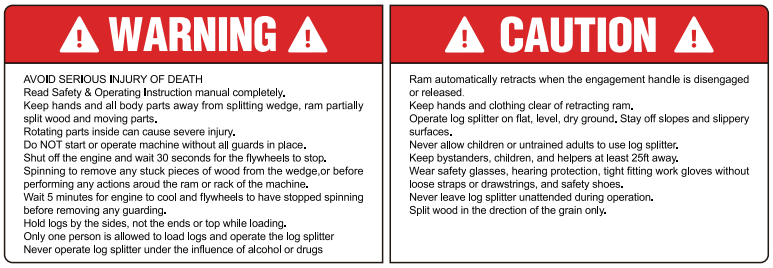
Model	KT34
Engine	DUCAR DH212
Engine Type	Single Cylinder, 4 Stroke, Air-Cooled, OHV
Displacement	212 cc; 7 HP
Belt	A1524Li*1pcs
Wedge Height	7in
Log Length Capacity	21.5in
Log Diameter Capacity	28 in
Cycle Time	3 seconds（Approximate）
Sprocket Rate	1 : 8
Flywheel Max RPM	450
Tire	19 x 7.0-8 Tubeless
H-beam Height	26in
Wheelbase	87in
Towing	Tow Bar With 2 in Coupler
Product Size (L*W*H)	110*51*47in
Packing Size (L*W*H)	68.5*29.5*27.5in
Weight (N.W./G.W.)	545/595 lbs
Machine Warranty	1 Year
Engine Warranty	1 Year


106.3”
2700mm
18.9”
482mm
26.9”
684mm
26.2”
666mm
49.2”
1250mm
47.1”
1197mm
19.2”
489mm
23.4”
596mm

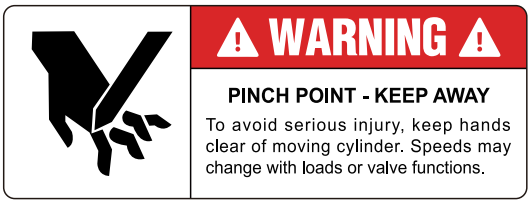
SAFETY SIGNS

Read this Safety & Operating Manual before you use the LOG SPLITTER. And become familiar with the operation and service recommendations to ensure the best performance of your machine.

The LOG SPLITTER carries prominent labels as reminders for its proper and safe use. Copies of all the Safety and Information labels that appear on the equipment are shown below. Take a moment to study them and note their location on your log splitter as you set up and before you operate the unit. Replace damaged or missing safety and information labels immediately.

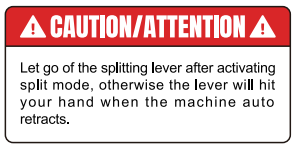
















SAFETY

GENERAL SAFETY RULES

Read this manual and the labels affixed to the machine to understand its limitations and potential hazards. Be familiar with the controls and their proper operation thoroughly. Know how to stop the machine and disengage the controls quickly.

If the unit is to be used by someone other than the original purchaser or loaned, rented, or sold, always provide this manual and any needed safety training before operation. The user is responsible for preventing accidents or injuries to themselves, other people, and property.

Do not force the machine. Use the correct machine for your application. The correct machine will do the job more efficiently and safely at the rate it was designed.

PERSONAL SAFETY

At any time, do not permit children to operate this machine.

Keep children, pets, and other people who are not using the unit away from the work area. Be alert and shut off the unit if anyone enters the work area. Keep children under the watchful care of a responsible adult.

Do not operate the machine while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.

Dress properly, wear heavy long pants, boots, and gloves. Do not wear loose clothing, short pants, or jewelry of any kind. Secure long hair above shoulder level. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

Protect your eyes, face, and head from objects that may be thrown from the unit. Always wear safety goggles or safety glasses with side shields when operating.

Always keep hands and feet away from all moving parts during operation, as moving parts can cut or crush body parts.

Always keep hands and feet away from all pinch points.

Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.

Stay alert, be aware of what you're doing, and use common sense when operating the machine.

Do not overreach and do not operate the machine while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations.

INSPECT YOUR MACHINE

Check your machine before starting. Keep guards properly installed and functional. Make sure all nuts, bolts, etc., are securely tightened.

Never operate the machine when it needs repair or is in poor mechanical condition. Replace damaged, missing, or failed parts before use. Check for fuel leaks. Keep the machine in safe working condition.

Do not use the machine if the engine switch fails to turn it on or off. Any gasoline - powered machine that cannot be controlled by the engine switch is dangerous and must be replaced.

Avoid accidental starting by ensuring the engine switch is off before transporting the machine or performing any maintenance or service on the unit. Operating or performing maintenance on a machine with the switch on can lead to accidents.

If the machine starts to vibrate abnormally, immediately stop the engine and check for the cause. Vibration is generally a warning sign of trouble.

ENGINE SAFETY

This machine comes equipped with an internal combustion engine. Do not use this machine on or near any unimproved, forest - covered, or brush - covered land unless the exhaust system is equipped with a spark arrester meeting applicable local, state, or federal laws.

Never start or run the engine inside a closed area as the exhaust fumes, containing carbon monoxide - an odorless and deadly gas - are dangerous. Operate this unit only in a well - ventilated outdoor area.

Do not tamper with the engine in an attempt to make it run at excessive speeds. The maximum engine speed is preset by the manufacturer and is within safety limits. See engine manual.

Keep a Class B fire extinguisher on hand when operating this log splitter in dry areas for precaution.

FUEL SAFETY

Fuel is highly flammable, and its vapors can explode if ignited. Take precautions when using fuel to reduce the risk of serious personal injury.

When refilling or draining the fuel tank, use an approved fuel storage container in a clean, well - ventilated outdoor area. Do not smoke, allow sparks, open flames, or other sources of ignition near the area while adding fuel or operating the unit, and never fill the fuel tank indoors.

Always stop the engine and allow it to cool before filling the fuel tank. Never remove the fuel tank cap or add fuel while the engine is running or hot. Do not operate the machine with known leaks in the fuel system.

Slowly loosen the fuel tank cap to relieve any pressure in the tank.

Never overfill the fuel tank. Fill the tank to no more than 1/2" below the bottom of the filler neck to provide space for expansion.

Replace all fuel tank and container caps securely, wipe up spilled fuel, and never operate the unit without the fuel cap securely in place.

If fuel is spilled, avoid creating a source of ignition. Do not attempt to start the engine; instead, move the machine away from the spillage area and avoid any source of ignition until fuel vapors have dissipated.

If fuel spills on you or your clothes, immediately wash your skin and change your clothes.

Store fuel in containers specifically designed and approved for storing fuel.

Store fuel in a cool, well - ventilated area, away from sparks, open flames, or other sources of ignition.

Never store fuel or a machine with fuel in the tank inside a building where fumes may reach a spark, open flame, or any other source of ignition, such as a water heater, furnace, or clothes dryer. Before storing the machine in any enclosure, allow the engine to cool.

OPERATION SAFETY

Never place any part of your body where it would be in danger if movement should occur during assembly, installation, operation, maintenance, repair, or moving.

Keep all bystanders and pets at least 75 feet away. If you are approached, stop the unit immediately.

GENERAL SAFETY MATTERS

- Always stop the log splitter engine before making any adjustments, refueling, or cleaning the log splitter.
- Always check that the machine is well supported and cannot move. If you are working on an incline, position the log splitter on solid ground across the slope.
- Always visually check for fluid leaks. If found, resolve the leak before operating the log splitter.
- Always take regular breaks as wearing personal protective equipment for long periods can be tiring and hot.
- Always keep hands, feet, and clothing away from the feed opening, discharge area, and moving parts.
- Always keep the operating area clear of people, animals, and pets.
- Always keep the operating area clear of debris build - up.
- Always ensure the protective guards are in place before commencing work. Failure to do so may result in personal injury or loss of life.
- Always operate the log splitter in a well - ventilated area - exhaust fumes are dangerous.
- Make sure a fire extinguisher is available on site.
- Make sure a personal first aid kit and hand cleaning materials are available (e.g. waterless skin cleanser).
- Always cover the ignition switch with the provided plug when towing or jet - wash cleaning.

MAINTAINING YOUR MACHINE

Some parts of this machine are made of plastic or rubber and should be kept away from harmful chemicals.

Do not alter or adjust any part of the chipper shredder or its engine sealed by the manufacturer or distributor. Only a qualified service technician may adjust parts that increase or decrease the governed engine speed.

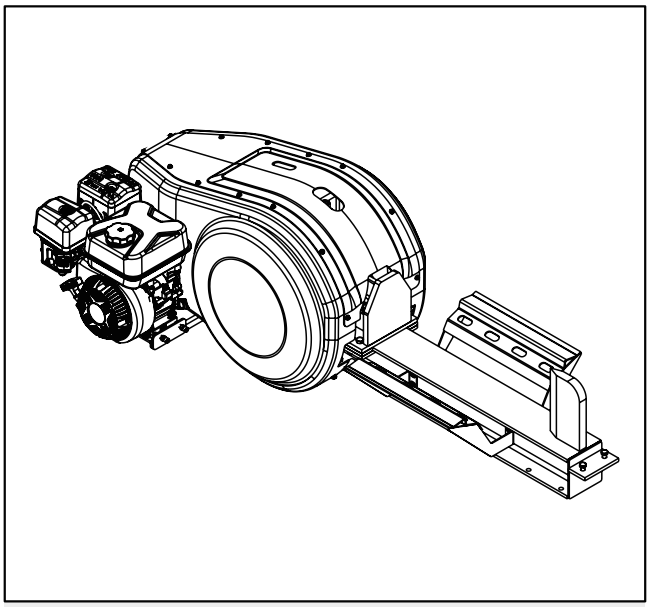
To maintain your machine, check for misalignment or binding of moving parts. Parts that are broken or worn down may affect the machine's operation. If damaged or worn parts are identified, they should be repaired before use. Many accidents are caused by poorly maintained equipment.

A NOTE TO ALL USERS

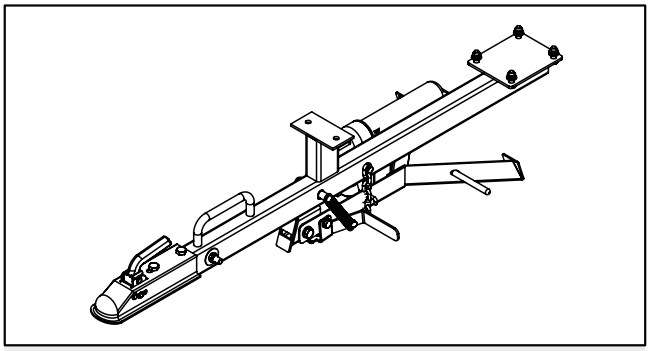
The list of warnings and cautions cannot be all - inclusive. If any situations occur that are not covered by this manual, the operator must apply common sense and operate this LOG SPLITTER in a safe manner. Contact your local dealers for assistance in your area.

CONTENTS SUPPLIED

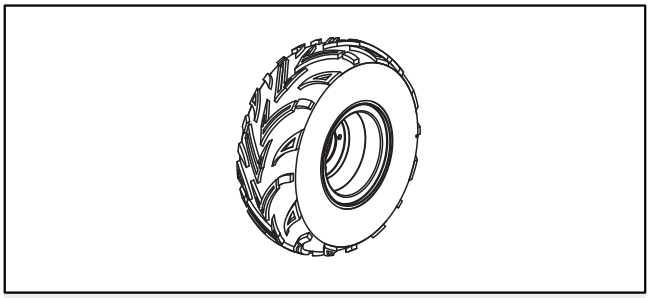
Your log splitter comes partially assembled and contains the following:



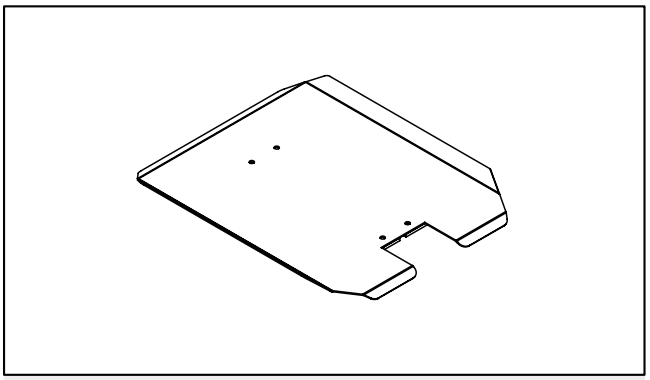
1x Main frame



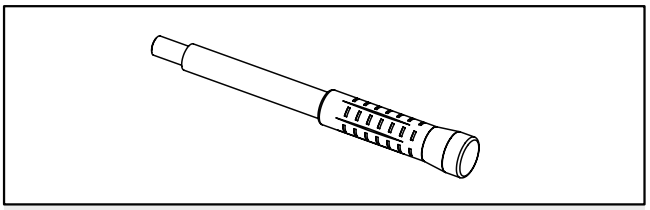
1x Tow bar



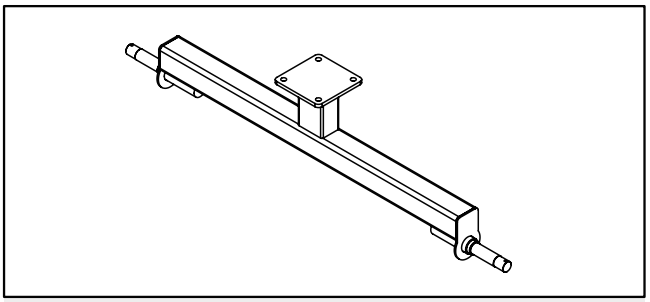
2x Wheels



1x Operation table



1x Operation handle



1x Wheel axle

ASSEMBLY

Wheel axle

Use full-thread hex head bolts M10×30, flat washers 10, and M10 hex thin lock nuts to assemble the wheel axle to the main frame. (See Figure 1)

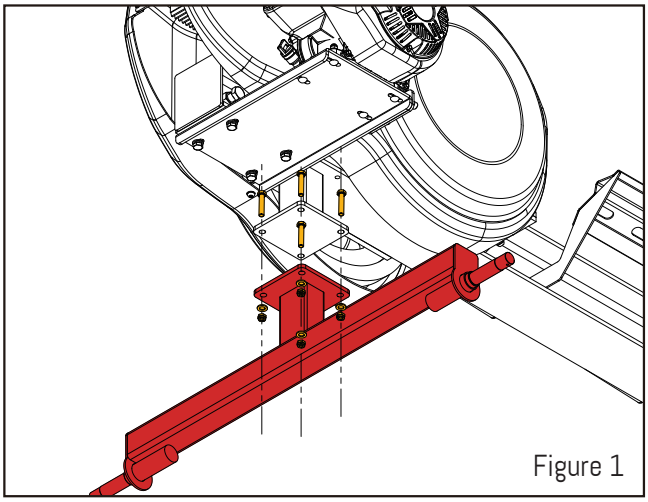


Figure 1

4X	Spring washer 10	
4X	Hex bolt M10 X 30mm	
4X	Flat washer 10	

Wheels

Use full-thread hex head bolts M10×25, flat washers 10, and M10 hex thin lock nuts to assemble the wheels onto the wheel axle. (See Figure 2)

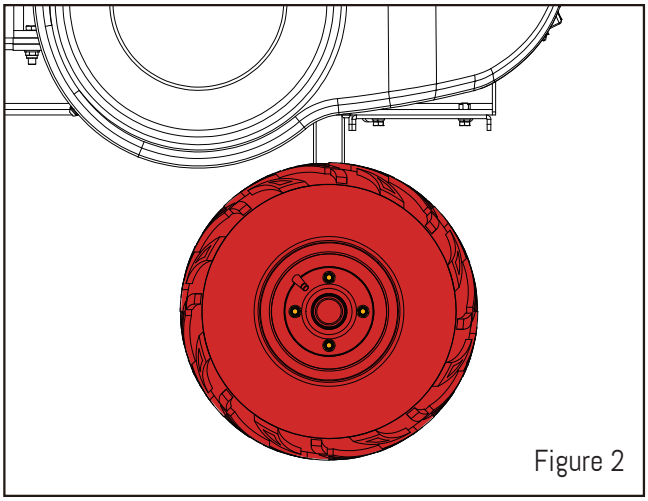


Figure 2

8X	Hex lock nut M10	
8X	Hex bolt M10 X 25mm	
8X	Flat washer 10	

Tow bar

Use full-thread hex head bolts M10×30, flat washers 10, and M10 hex thin lock nuts to assemble the tow bar to the main frame. (See Figure 3)

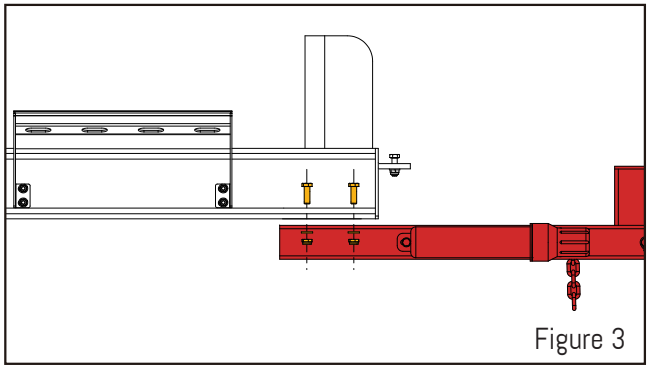


Figure 3

4X	Hex lock nut M10	
4X	Hex bolt M10 X 30mm	
4X	Flat washer 10	

Operation table

Use full-thread hex head bolts M10×35, flat washers 10, and M10 hex thin lock nuts to assemble the operation table to the main frame. (See Figure 4)

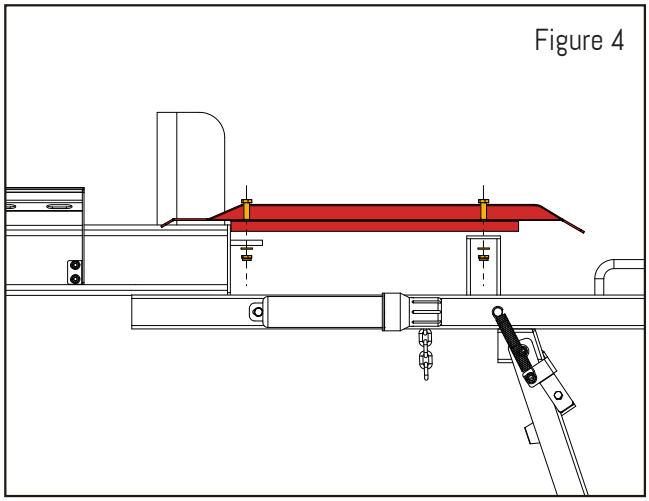
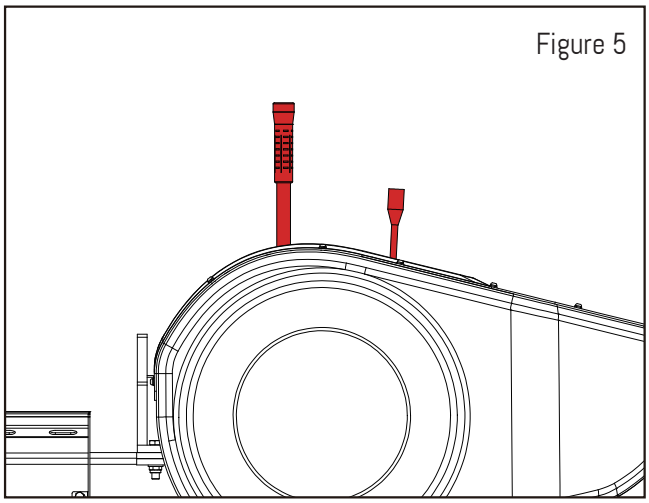


Figure 4

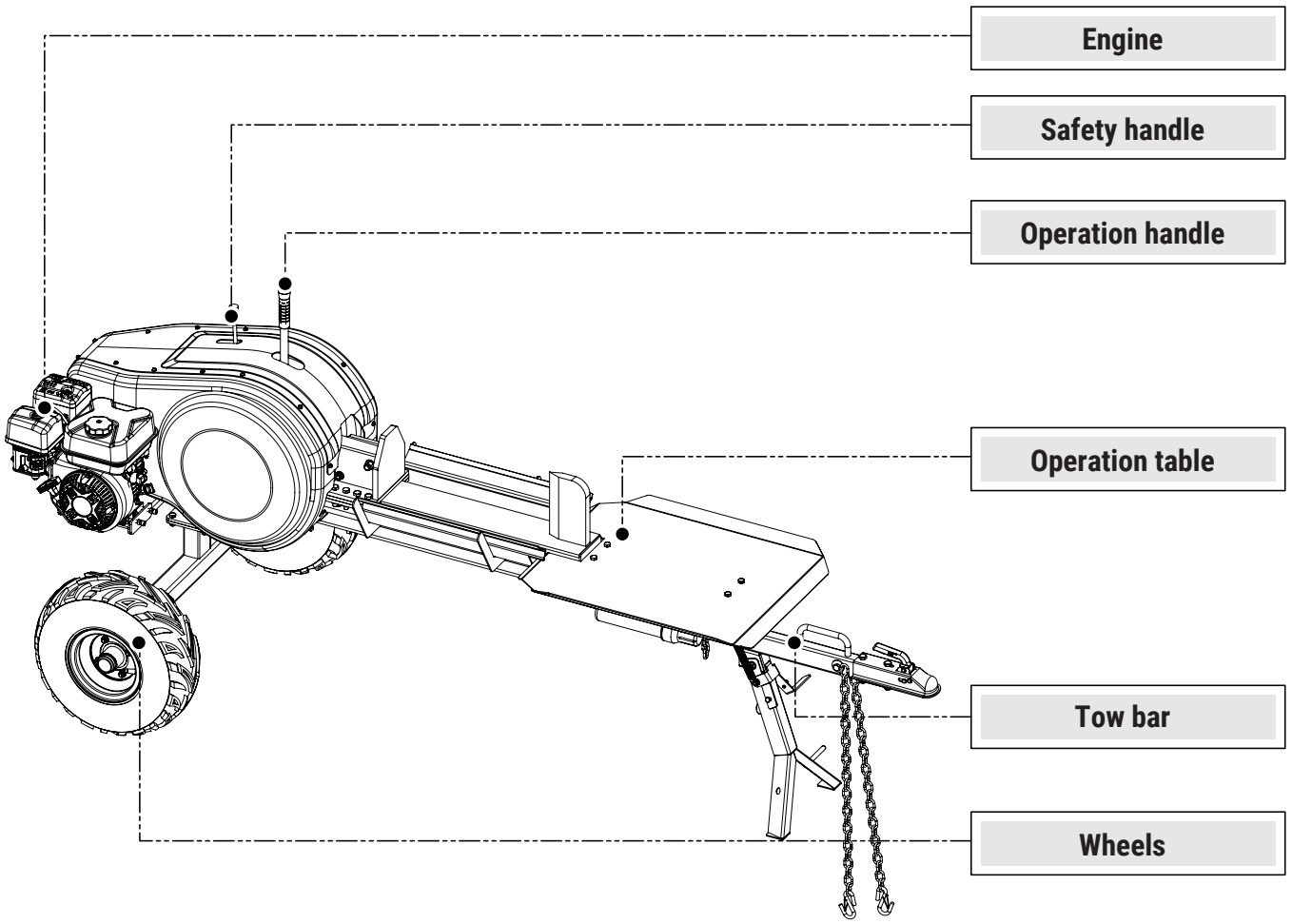
4X	Hex lock nut M10	
4X	Hex bolt M10 X 35mm	
4X	Flat washer 10	

Operation handle

Assemble the operation handle to the main frame. (See Figure 5)


Figure 5

KNOW YOUR MACHINE



OPERATING INSTRUCTIONS

It may be helpful to review the relevant content before beginning the steps outlined in this chapter. This can help you better familiarize yourself with the features of your Log Splitter.

Note: The engine is shipped without oil. Do not start the engine before adding oil. Do not overfill; check the engine oil level daily and add as needed.

ADD GASOLINE TO ENGINE

Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling gasoline.

Fill the fuel tank outdoors, never indoors. Gasoline vapors can ignite if they collect inside an enclosure. Explosion can result.

1. With the engine off and cool (at least two minutes), remove the fuel filler cap and fill the tank. (See engine manual for fuel capacity, recommended fuel type, and the location of the fuel cap.)

2. Fill the fuel tank outdoors. Gasoline vapors can ignite in enclosed spaces.

STARTING

1. Position your Log Splitter on flat, dry ground, and then stop the front wheel with brake, make sure the machine cannot be moved.

2. Make sure the fuel shut-off valve is in the "ON" position.

3. Move the choke control lever to the "CHOKE" position (should only be needed if the engine is cold).

4. Move the throttle control lever to the "FAST" position.

5. Recoil Start: Turn the Ignition Switch to the "On" position. Grasp the recoil starter handle and slowly pull until you feel resistance. Let the cord retract a little bit then pull the cord rapidly to start the engine. One or two pulls usually starts the engine.

6. Electric Start: Turn and hold the Key in the start position until Engine starts then let the Key return to run position.

7. Move the choke control lever (if used for cold engine) slowly back to the "RUN" position when the engine is running well.

8. If the Log Splitter has not been running (cold engine), warm up the engine by running the engine at half throttle for 3 to 4 minutes, then advance the engine throttle control to the maximum speed.

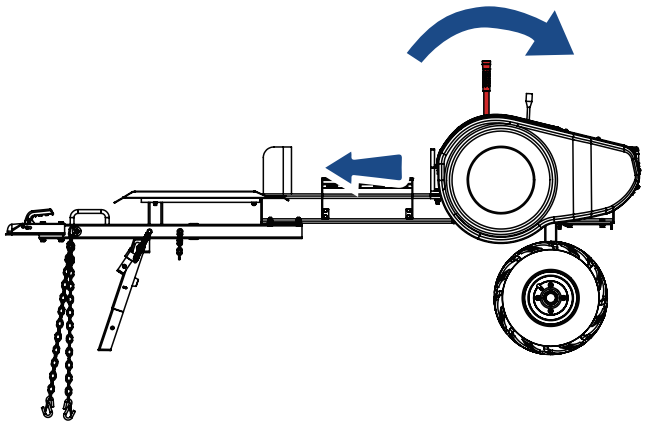
LOG SPLITTERING

All logs should be no longer than 24 inches.

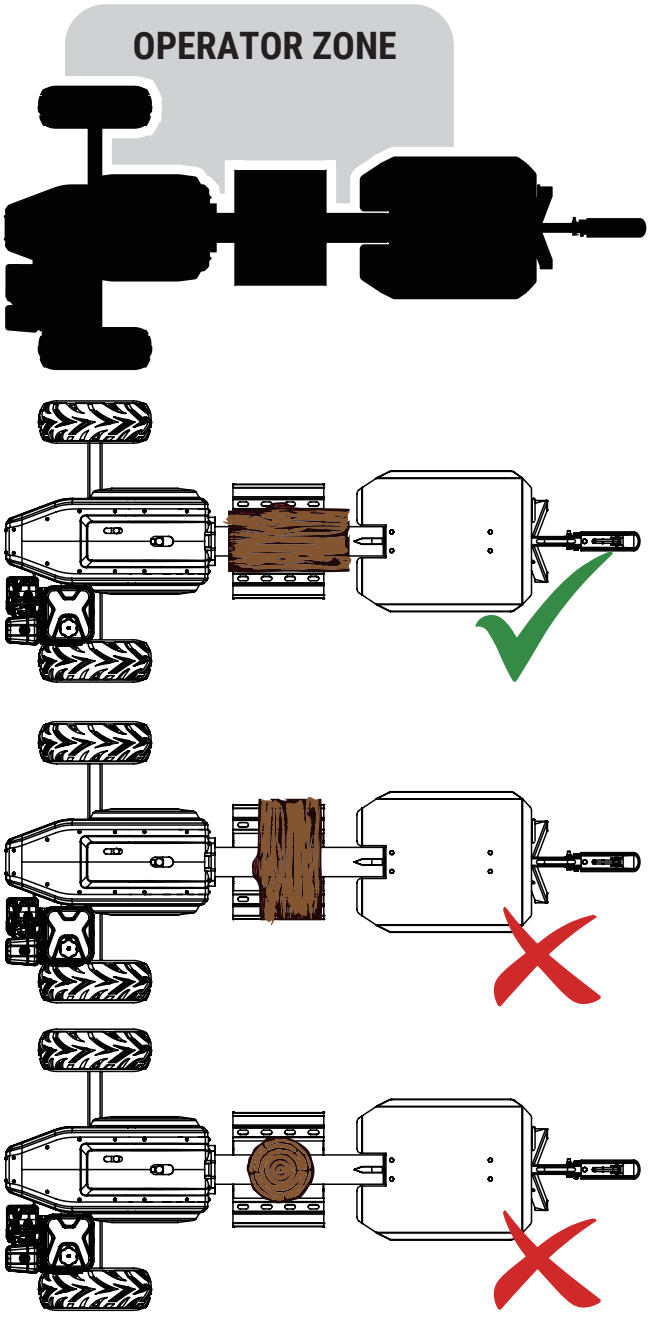
Do not place your hands on the ends of the log when loading the log splitter. This is a very unsafe method and could result in injury to your hands. Do not reach or step across the rail while the log splitter is running. This is a very unsafe method which could cause personal injury, even death. Do not reach forward and attempt to catch the split wood as the log is being split. Instead, let it fall to the ground.

Place the log on the log splitter. Grasp the log on the sides near the middle of the log. Center the log, side - to - side, on the rail of the log splitter, making sure that one end is against the splitting wedge.

With one hand on the lever and the other hand pushing the start ball, pull the handle lever to 'SPLIT', and then remove your hands as soon as possible, as the handle lever may hit your hands when it retracts from 'SPLIT' to 'AUTO - RETRACT'.



OPERATOR ZONE



STOPPING

1. Move the Throttle Lever to IDLE.
2. Recoil Start: Turn the Ignition Switch to the OFF position.
3. Electric Start: Turn the Key to the OFF position.

MAINTENANCE

Regular maintenance is the key to ensuring your machine operates at its best and has a long lifespan. Please refer to this manual as well as the engine manufacturer's user manual for maintenance procedures.

Before performing any maintenance procedure or inspection, stop the engine and wait five minutes to allow all parts to cool. Disconnect the spark plug wire and keep it away from the spark plug. Disconnect the battery terminals (Electric start only).

Procedure	Before Each Use	Every 3 Hours	Every 25 Hours	Every 100 Hours
Check engine oil level	▲			
Check general equipment condition	▲			
Check wedge for sharpness	▲			
Grease surface of slide rail	▲			
Check belts	▲			
Grease rack and pinion		▲		
Check tire pressure			▲	
Clean engine exterior and cooling			▲	
Change Engine Oil	First time 5 hours		▲	
Replace air filter			▲	
Replace spark plug				▲

ENGINE SERVICE

For engine maintenance, consult the engine manufacturer's user manual.

TROUBLESHOOTING

Most problems can be easily fixed. Consult the Troubleshooting Table listed below for common problems and their solutions. If you continue to experience problems, contact your local dealers.

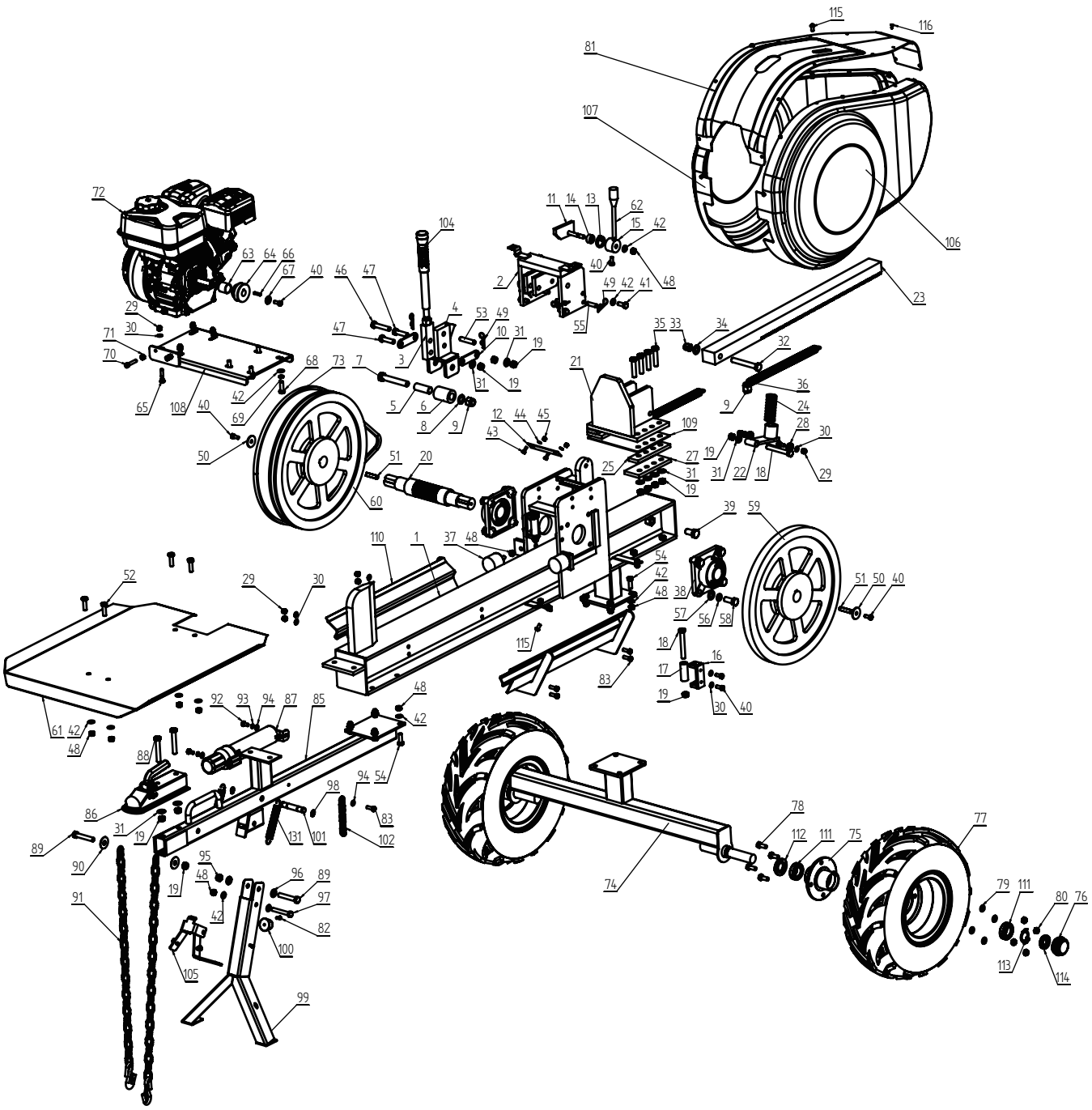
Before performing any maintenance procedure or inspection, stop the engine and wait five minutes to allow all parts to cool. Disconnect the spark plug wire and keep it away from the spark plug.

TROUBLESHOOTING TABLE

SYMPTOM	POSSIBLE CAUSE
The engine won't start. (Please refer to the engine user manual for engine-specific procedures.)	Is the ignition switch in the "ON" position? Is the fuel shut-off valve on? Are you using fresh, clean gas? If the gas is old, change it. Use a fuel stabilizer if you keep gas longer than 30 days. Is the spark plug clean? If the spark plug is dirty or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole and pull the recoil cord several times to blow out any oil in the cylinder, then wipe off the plug and reinsert it.
The engine lacks power or is not running smoothly. (Please refer to the engine user manual for engine-specific procedures.)	Check that the Throttle Lever is in the "Run" position. Is the air filter clean? If it's dirty, change it following the procedure in the engine manufacturer's owner's manual. Is the spark plug clean? If it's fouled or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole and pull your recoil cord several times to blow out any oil in the cylinder, then wipe off the plug and reinsert it. Are you using fresh, clean unleaded gas? If it's old, change it. Use a fuel stabilizer if you keep gas longer than 30 days. Does your engine have the right amount of clean oil? If it's dirty, change it following the procedure in the engine manufacturer's owner's manual. Check the oil level and adjust as needed.
Engine smokes. (Please refer to the engine user manual for engine-specific procedures.)	Check the oil level and adjust as needed. Check the air filter and clean or replace if needed. You may be using the wrong oil—too light for the temperature. Refer to your Engine Owner's Manual for detailed information. Clean the cooling fins if they're dirty.

SYMPTOM	POSSIBLE CAUSE
Rack catching on tail tube (at end of stroke). Rack returning very slow or not going all the way back.	Adjust carriage hold downs (slide guides). Check for wood chips or debris between ram bushing plate and beam. Check rack lift bearing for alignment or damage. Return spring is unhooked or damaged. Reconnect or replace as needed. Machine wedge end too low. Must be almost level or wedge end slightly higher.
Operator Lever Snapping out of gear or not staying in gear.	Lever not all the way forward when rack comes under full load. Push lever quicker and more forcefully into the full forward position. Ram has been overloaded at lower part of face. Check rack gear for straightness.
Rack slamming back too fast.	Wedge end of machine too high. Must be almost level with ram end or just slightly higher. Springs not operating properly. Fix or replace as needed.
Machine does not seem to have full splitting power.	The belts may be too loose and slipping. Adjust or replace belts as needed.
Operator Lever not engaging rack with pinion gear.	Clean wood chips or other debris from under rack. Clean accumulated dirt from frame where carriage assembly rests against rubber bumpers.

PARTS DIAGRAM



PARTS LIST

PART NO.	Description	Qty
1	Main Beam Weldment	1
2	Upper Bracket Weldment	1
3	Control Lever Base Weldment	1
4	Press Block Weldment	1
5	Inner Sleeve	1
6	Roller	1
7	Hex Head Bolt Full Thread M16×100	1
8	Small Flat Washer Grade A 16	1
9	Hex Lock Nut with Non-Metallic Insert M16	3
10	Connecting Plate	2
11	Safety Lock Weldment	1
12	Limit Rubber Pad	1
13	Torsion Spring	1
14	Spring Sleeve	1
15	Spring Seat	1
16	Limit Stop Weldment	2
17	Limit Roller	2
18	Hex Head Bolt M12×90	3
19	Thin Hex Lock Nut M12	17
20	Gear Shaft	1
21	Slide Block Weldment	1
22	Spring Seat Weldment	1
23	Push Rod	1
24	Push Rod Spring	1
25	Push Rod Pad Plate	2
26	Push Rod Clamp Plate Weldment (L)	1
27	Push Rod Clamp Plate Weldment (R)	1
28	Deep Groove Ball Bearing	2
29	Hex Lock Nut with Non-Metallic Insert M8	10

PART NO.	Description	Qty
30	Flat Washer Grade A 8	15
31	Flat Washer 12	14
32	Hex Head Bolt Full Thread (M14)×100	1
33	Hex Lock Nut with Non-Metallic Insert (M14)	1
34	Flat Washer Grade C 14	1
35	Hex Head Bolt Full Thread M12×55	8
36	Tension Spring	2
37	Rubber Foot Pad	2
38	Square Flange Bearing Unit	2
39	Hex Head Bolt Full Thread M16×30	2
40	Hex Head Bolt Full Thread M8×20	8
41	Hex Head Bolt Full Thread M10×25	4
42	Flat Washer 10	24
43	Hex Head Bolt Full Thread M6×16	2
44	Flat Washer Grade C 6	2
45	Hex Lock Nut with Non-Metallic Insert M6	2
46	Hex Head Bolt Full Thread M12×60	1
47	Hex Head Bolt Full Thread M12×45	2
48	Thin Hex Lock Nut M10	16
49	R-Clip Pin	9
50	Oversized Flat Washer Grade C 8	2
51	Parallel Key Type C 10×8×45	2
52	Hex Head Bolt Full Thread Grade C M10×35	4
53	Headless Pin Shaft 12×60×3.2	1
54	Hex Head Bolt Full Thread Grade C M10×30	8
55	Headless Pin Shaft 10×40×3.2	4
56	Spring Washer (14)	8
57	Flat Washer 14	8
58	Hex Head Bolt Full Thread (M14)×35	8
59	Small Flywheel	1
60	Small Belt Pulley	1
61	Worktable Weldment	1

PART NO.	Description	Qty
62	Safety Handle	1
63	Engine Shaft Sleeve	1
64	Engine Pulley	1
65	Round Head Square Neck Bolt M8×40	4
66	Parallel Key 4.7×5.1×25	1
67	Large Flat Washer Grade C 8	1
68	Hex Head Bolt Full Thread M10×30	4
69	Standard Spring Washer (Assembly) 10	4
70	Hex Socket Cap Screw M8×40	2
71	Hex Nut M8	2
72	Engine	1
73	Belt	1
74	Axle Weldment	1
75	Wheel Flange Welded Assembly	2
76	Rear Axle End Cover	2
77	Wheel Assembly	2
78	Hex Head Bolt Full Thread M10×25	8
79	Flat Washer Grade C 10	8
80	Thin Hex Lock Nut with Non-Metallic Insert M10	8
81	Guard Top Plate	1
82	Hex Socket Button Head Screw M6×16	1
83	Hex Head Bolt Full Thread M8×25	5
84	Light Duty Spring Washer (Assembly) 8	1
85	Tow Bar Weldment	1
86	Connector	1
87	Small File Tube	1
88	Hex Head Bolt M12×75	2
89	Hex Head Bolt Full Thread M12×70	2
90	Large Flat Washer 12	2
91	Chain	2
92	Hex Head Bolt M8×16	2
93	Spring Washer 8	2

PART NO.	Description	Qty
94	Flat Washer 8	3
95	Thin Hex Lock Nut with Non-Metallic Insert M12	1
96	Flat Washer 12	2
97	Hex Head Bolt Full Thread M10×70	1
98	Shaft Retaining Ring Type A 15	2
99	Support Leg Weldment	1
100	Rubber Damper	1
101	Spring Pin Shaft	1
102	Chain	1
103	Spring	2
104	Operating Handle	1
105	Support Leg Stop Weldment	1
106	Left Guard Weldment	1
107	Right Guard Weldment	1
108	Engine Mount Plate Weldment	1
109	Slider Pad Plate	1
110	Wooden Frame Weldment	1
111	Tapered Roller Bearing 320/28	4
112	Double-Lip Oil Seal 28×52 (Assembly Type)	2
113	Lock Washer for Round Nut 27	2
114	Round Nut M27×1.5	2
115	Hex Socket Button Head Screw M8×16	6
116	Phillips Half-Countersunk Self-Drilling Screw ST4.2×13	14

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